Index of Claims

| Application No. | Applicant(s)   |  |
|-----------------|----------------|--|
| 09/665,493      | MANNING ET AL. |  |
| Examiner        | Art Unit       |  |
| Thai-An N Ton   | 1632           |  |

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected
I Interference

A Appeal
O Objected

| Cla      | aim      |         |   |                      |     | Cla   | Claim    |          | Date       |        |        |                 |        | CI       | aim | Date     |          |           |               |        |  |          |          |                 |          |
|----------|----------|---------|---|----------------------|-----|-------|----------|----------|------------|--------|--------|-----------------|--------|----------|-----|----------|----------|-----------|---------------|--------|--|----------|----------|-----------------|----------|
|          | 1        |         |   |                      |     |       |          |          |            |        |        |                 |        | <u> </u> |     | Date     |          |           |               |        |  |          |          |                 |          |
| <u> </u> | Original | 2/24/04 |   | 1                    | 111 |       | <u>ā</u> | Original |            |        |        |                 |        |          |     | <u>7</u> | Original |           | İ             |        |  |          |          |                 |          |
| Final    | Ē        | /24     | 1 |                      |     |       | Final    | rig      |            | Į      |        |                 |        |          |     | Final    | rigi     |           |               |        |  |          |          |                 |          |
|          | 0        | ^       |   |                      |     | 10077 |          | 0        |            |        |        |                 |        |          |     |          | 0        |           |               |        |  |          |          |                 |          |
|          | 1        | Ņ       |   |                      |     |       |          | 51       |            | Ì      |        | $\Box$          |        | $\vdash$ |     |          | 101      |           | -             | $\top$ | ╈  | ╁        | -        | М               | Т        |
|          | 2        | T       |   |                      |     |       |          | 52       |            |        | $\top$ | 11              | $\top$ | 1-       |     |          | 102      |           | _             | +      | $\top$   | +        | $\vdash$ | М               |          |
|          | . 3      | П       |   |                      |     |       |          | 53       |            |        |        |                 |        |          |     |          | 103      |           |               |        | +-   | T        |          | Г               | <u> </u> |
|          | 4        |         |   |                      |     |       |          | 54       |            |        |        | 17              |        | $\top$   |     |          | 104      |           | 7             | 1      | †⁻   | $\top$   | 1        | М               |          |
|          | 5        | Ħ       |   |                      |     |       |          | 55       |            |        |        | 177             |        | 11       |     |          | 105      |           |               |        | $\top$   | 1        |          | М               |          |
|          | 6        | П       |   |                      |     |       |          | 56       |            | Ħ      |        | П               |        |          |     |          | 106      | $\Box$    |               |        | 1  | T        |          |                 |          |
|          | 7        | П       |   |                      |     |       |          | 57       |            |        |        |                 |        | $\top$   |     |          | 107      |           |               | 1"     | 1  | †        | $\vdash$ |                 | _        |
|          | 8        | П       |   |                      |     |       |          | 58       |            | $\Box$ |        | Ti              |        | $\top$   |     |          | 108      | $\exists$ | $\neg$        | $\top$ |  | 1        |          | П               |          |
|          | 9        | Π       |   |                      |     |       |          | 59       |            |        | 7      |                 |        |          |     |          | 109      |           | $\neg \vdash$ | 十      | 1  | T        |          |                 |          |
|          | 10       |         |   |                      |     |       |          | 60       |            |        |        |                 | _      |          |     |          | 110      |           |               | T      | 1  | T-       |          | П               |          |
|          | 11       | П       |   |                      |     |       |          | 61       |            |        |        | 1 1             |        |          |     |          | 111      |           |               | _      | ╁  | <u> </u> |          | М               |          |
|          | 12.      |         |   |                      |     |       |          | 62       |            | П      |        |                 |        | $\top$   |     |          | 112      | $\Box$    | $\neg$        |        | T  | 1        | П        | П               |          |
|          | 13       | $\prod$ |   |                      |     |       |          | 63       |            | $\Box$ | 1      | $\top$          |        |          |     |          | 113      | $\Box$    | $\top$        | 1      | T  |          | П        | П               | П        |
|          | 14.      |         |   |                      |     |       |          | 64       |            |        |        | $\top$          | 1      |          |     |          | 114      | H         |               | 1      | 1  |          | П        | М               |          |
|          | 15       | V       |   |                      |     |       |          | 65       |            | П      |        | $\Box$          |        |          |     |          | 115      |           |               | $\top$ | 十  |          |          | $\Box$          |          |
|          | 16       | N       |   |                      |     |       |          | 66       |            |        |        | $\Box$          |        |          |     |          | 116      |           |               |        | $\top$   | $\vdash$ | П        | П               |          |
|          | 17       | 1       |   |                      |     |       |          | 67       |            |        |        | 1 1             |        |          |     |          | 117      |           |               | 十      | 1  |          |          | П               |          |
|          | 18       | 1       |   |                      |     | A     |          | 68       |            |        | T      | 17              |        |          |     |          | 118      |           |               | _      | T  | T        |          | П               |          |
|          | 19       | 1       |   |                      |     |       |          | 69       |            |        |        | 1               |        |          |     |          | 119      |           |               | $\top$ | $\top$   | $\vdash$ | Н        | $\sqcap$        |          |
|          | 20       | 1       |   |                      |     |       |          | 70       | $\top$     |        |        |                 |        | 1        |     |          | 120      |           |               | $\top$ | ⇈  | Ĺ        | $\Box$   | $\sqcap$        |          |
|          | 21       | 1       |   |                      |     |       |          | 71       |            |        | 1      | $\top$          |        |          |     |          | 121      |           | 1             |        | T  |          | H        | П               |          |
|          | 22       | 1       |   |                      |     |       |          | 72       |            |        |        | 11              |        | $\Box$   |     |          | 122      | $\neg$    |               |        | <del>                                     </del> | T        | H        | $\neg$          |          |
|          | .23      | Ñ       |   |                      |     |       |          | 73       |            |        |        |                 |        | 1-1      |     |          | 123      |           |               | $\top$ | T  |          | H        | $\vdash$        |          |
|          | 24       | M       |   |                      |     |       |          | 74       |            |        |        |                 | _      | $\Box$   |     |          | 124      |           | _             |        |  | <b> </b> |          | H               |          |
|          | 25       | N       |   |                      |     |       |          | 75       |            |        |        | $\Box$          |        | $\sqcap$ |     |          | 125      | $\neg$    | _             | $\top$ | T-   | <b>†</b> |          | $\Box$          |          |
|          | 26       | 1       |   |                      |     |       |          | 76       |            |        |        | Ħ               |        | П        | 1   |          | 126      | $\neg$    | _             | $\top$ | †···   | 1-       | $\vdash$ | $\sqcap$        |          |
|          | 27       | V       |   |                      |     |       |          | 77       |            |        |        | Ħ               |        | П        |     |          | 127      |           | $\neg +$      | 十      | $^{\dagger}$                                     |          | П        | $\neg$          |          |
|          | 28       | 1       |   |                      |     | 1     |          | 78       |            |        | _      | $\Box$          |        |          |     |          | 128      | T         |               | $\top$ |  | 1        | H        | $\Box$          |          |
|          | 29       |         |   |                      |     |       |          | 79       |            |        |        |                 | 1      | $\Box$   |     |          | 129      | T         |               | $\top$ | T  | $\vdash$ | П        | $\neg$          |          |
|          | 30       | Ņ       |   |                      |     |       |          | 80       |            |        | $\top$ |                 |        |          |     |          | 130      |           | $\neg$        | 十      | †  | !        |          | $\neg$          | _        |
|          | 31       | ľ       |   |                      |     |       |          | 81       |            |        | T      | $\Box$          |        |          | 1   |          | 131      |           |               | $\top$ | 十  |          |          | $\neg$          |          |
|          | 32       | Ţ       |   |                      |     |       |          | 82       |            |        |        | T               |        | $\Box$   |     |          | 132      |           |               | $\top$ | 1  |          |          | $\neg$          | $\neg$   |
|          | 33       |         |   |                      |     |       |          | 83       |            |        |        | $\Box$          |        |          |     |          | 133      | T         |               |        |  |          | $\Box$   | $\neg$          |          |
|          | 34       |         |   |                      |     |       |          | 84       |            |        |        | $\Box$          |        | $\sqcap$ |     |          | 134      | 寸         | $\neg \vdash$ | $\top$ | 1  | T        | $\sqcap$ | $\neg$          | $\neg$   |
|          | 35       | ſ       |   | $\bot\!\!\!\!\!\bot$ |     |       |          | 85       |            | T.     |        | 11              |        |          |     |          | 135      |           | 1             | 1      |  |          | П        | $\neg$          | $\neg$   |
|          | 36       |         |   |                      |     |       |          | 86       |            |        |        |                 |        | П        | ı   |          | 136      | 寸         |               | 十      | 1  | t        | $\Box$   | $\neg$          | $\neg$   |
|          | 37       | Γ       |   |                      |     |       |          | 87       |            |        |        | T               |        | T        |     |          | 137      | $\dashv$  | $\dashv$      | T      | 1  | t        | П        | $\dashv$        | $\dashv$ |
| [        | 38       | I       |   |                      |     | 쪪     |          | 88       |            | $\top$ | 1      |                 |        | $\sqcap$ |     |          | 138      | $\dashv$  | $\neg \vdash$ | 1      | $\vdash$   | Τ        | <b></b>  | $\exists$       | $\dashv$ |
|          | 39       | Ι       |   |                      |     |       |          | 89       |            | $\top$ |        |                 |        | $\Box$   |     |          | 139      | 1         |               | 1      | T  | T .      |          | $\neg$          | ᅱ        |
|          | 40       | L       |   |                      |     |       |          | 90       | $\Box\Box$ |        |        |                 |        | T        |     |          | 140      | ヿ         | $\dashv$      | T      | T  |          |          |                 | ᅱ        |
|          | 41       |         |   |                      |     |       |          | 91       | $\prod$    |        |        | $\Box$          | T      |          |     |          | 141      | $\neg$    |               | $\top$ | 1  | П        |          |                 | $\dashv$ |
|          | 42       | L       |   |                      |     |       |          | 92       |            |        |        | $\Box$          |        | П        |     |          | 142      | T         | +             | $\top$ | $\vdash$   |          | $\Box$   | $\dashv$        | $\dashv$ |
| [        |          | Y       |   |                      |     |       |          | 93       |            |        |        |                 |        |          |     |          | 143      |           | $\neg \vdash$ | 1      | 1  | Г        |          | $\neg$          | $\neg$   |
|          |          | N       |   |                      |     |       |          | 94       |            |        | $\Box$ |                 |        | П        |     |          | 144      | T         |               | 1      | $\top$   |          |          | $\neg$          | $\neg$   |
|          | 45       |         |   |                      |     |       |          | 95       |            |        |        | $\Box \uparrow$ |        |          | ı   |          | 145      | $\exists$ | 1             | T      |  |          |          | 7               | ᅱ        |
|          | 46       |         |   |                      |     |       |          | 96       |            |        |        | $\Box$          |        |          |     |          | 146      | $\dashv$  | 7             | 1      | T  |          |          | $\neg \uparrow$ | ㅓ        |
| $\Box$   | 47       |         |   |                      |     |       |          | 97       |            |        |        |                 | T-     | П        |     |          | 147      | $\dashv$  | 7             | T      |  |          |          | 寸               | $\dashv$ |
|          | 48       |         |   |                      |     |       |          | 98       |            |        | $\top$ | $\Box$          | T-     | П        |     |          | 148      | $\exists$ | 1             | 1      | T  |          |          | $\dashv$        | $\dashv$ |
|          | 49       |         |   |                      |     |       |          | 99       |            |        | 1      | $\Box$          |        | П        |     |          | 149      | $\top$    | $\neg \vdash$ | $\top$ |  |          | $\dashv$ | $\neg$ †        | ᅱ        |
|          | 50       |         |   |                      |     |       |          | 100      |            |        | 7      |                 |        | П        | Ħ   |          | 150      | $\exists$ |               | $\top$ |  |          |          | $\dashv$        | $\dashv$ |